

ABSTRACT OF THE DISCLOSURE

An apparatus for measuring local skin impedance includes a multi-channel electrode including a plurality of measurement sensors on an electrode surface having a predetermined area, a channel selector for selecting each of channels included in the multi-channel electrode in response to a channel control signal, a constant current source for applying a predetermined constant current to a region to be measured, a preprocessing unit for amplifying and filtering a potential value measured at each of the channels while the predetermined constant current is flowing through the region to be measured, an analog-to-digital converter for converting the potential value output from the preprocessing unit into a digital signal, and a control unit for generating the channel control signal, for processing the digital signal output from the analog-to-digital converter, and for controlling the entire apparatus.